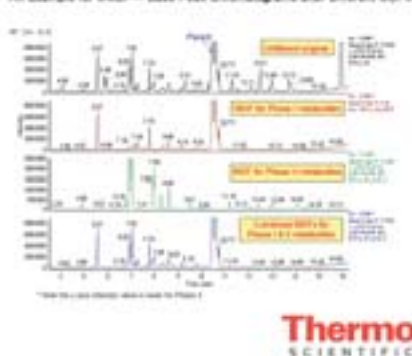


New Products

Metabolite Identification Software

An Example for MMDF-- Base Peak Chromatograms after Different MDFS



Product: Software for automated acquisition, processing and reporting of LC/MS data.

Name & Manufacturer: MetWorks 1.1.0 from Thermo Fisher Scientific.

Technology: The software tools distinguish xenobiotic components from endogenous biological matrix interferences in LC/MSn chromatograms and spectra.

Key improvements include:

- Automatic generation of a Data-Dependent Parent Mass Table,
- Component filtering to exclude duplicates originating from adducts & isotopic contributions,
- You may apply up to six multiple mass defect filters (MMDF's).

Chromatograms and spectra filtered using MMDF's contain fewer endogenous compounds and excipient materials, thereby reducing the manual intervention of eliminating false positives from the results. High-resolution/accurate mass data, Isotopic spectral pattern recognition techniques, as well as MSn spectral correlation procedures are used to identify common product ions and mass shifts related to specific fragment neutral losses.

Advantages: Integration of Mass Frontier predictive fragmentation software within the MetWorks 1.1.0 workflow process has improved the assessment for automated metabolite identification studies. Mass Frontier predictive fragmentation tools significantly decrease the time you require to confidently identify and generate lists of drug metabolites. MetWorks 1.1.0 collates and converts this information, including calculated elemental formulae, chemical structures and chromatograms into easy-to-read reports.

More Information: This data-mining tool will be demonstrated in a pre-recorded webinar. Entitled "MetWork 1.1.0 Software for the Confident Analysis of Putative Biotransformation Data", the webinar is available for download from www.thermo.com/mseminar.

Evaluation software



Product: Microplate Reader Analysis and Data Reduction Software.

Name & Distributor: MARS from BMG Labtech GmbH.

Technology: BMG LABTECH, a manufacturer of microplate reading technology, announces the release of the Microplate Reader Analysis and Data Reduction Software, MARS. MARS works on the NEPHELOstar, the OPTIMA- and OMEGA-series of microplate readers as well as the high-end PHERAstar multi-detection microplate reader. Compatibility for the NOVostar will be available in April, 2008. The MARS wizard creates a step-by-step calculation of a standard curve and the Template Manager builds complex data processing protocols. New features include sort and order functionality, averaging of raw and blank corrected data, lock on data trace, automated or user-defined range adjustment, zoom functions, and a curve fitting library to allow calculation of EC_{50} , IC_{50} , r^2 , and CV values. Digital Signature and the 21 CFR part 11 compliance of MARS complete this software package.

Advantages: Based on a friendly graphical user interface, the MARS software now allows analysis and display of multiple measurement methods and has no limitation regarding the number of data points.

More Information: www.bmglabtech.com

Forensic DNA analysis



Product: Forensic testing kit for complicated DNA evidence.

Name & Manufacturer: Quantifiler Duo DNA Quantification Kit from Applied Biosystems.

Technology: Quantifiler Duo kit amplifies, detects and quantifies the DNA contained in a sample on an Applied Biosystems real-time PCR sys-

tem, simultaneously providing a quantitative and qualitative assessment of total human and human male DNA, and more accurately estimating the quantity of DNA in degraded samples. This information guides selection of the optimal DNA profiling chemistry by recommending a specialised mini short tandem repeat (STR) in conjunction with a standard STR kit for compromised samples, or a male-specific DNA kit for a low ratio of male DNA mixed in female DNA.

Advantages: The kit enables forensic laboratories to obtain more predictive and comprehensive information from complicated DNA evidence earlier in the testing process. By streamlining the overall workflow, the new forensic testing kit will help to improve results from sexual assault cases and other challenging samples that previously yielded limited or no results..

More Information:

<http://idx.appliedbiosystems.com>

Online Collaboration Tool



Product: Online system for sharing sequence and research information, as well as consolidating orders.

Name & Manufacturer: LabLinker from Integrated DNA Technologies (IDT).

Technology: The free online application broadens the already expansive set of 'no obligation' web-based tools offered to all users of IDT's website: <http://www.idtdna.com/lablinker>. It is a way to consolidate your orders of oligonucleotides, but also to share your sequence information and QC results with other researchers and communicate the effectiveness of those sequences.

Advantages: In addition to the collaborative features available through LabLinker, customers working together can consolidate their orders to avoid paying shipping fees normally associated with multiple packages. Furthermore, users can personalize LabLinker to fit the needs of their respective labs, without the need for technical expertise. It can also be set-up to provide automated notifications of order status.

More Information:

<http://www.idtdna.com/lablinker>